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INTERNATIONAL SEARCH REPORT PCT/EP/2004
REC'D DPP TO 28 DEC 2004
International Application No.
PCT/EP 03/06817

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K38/12 A61P31/12 C07K7/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, BIOSIS, MEDLINE, EMBASE, CHEM ABS Data, SCISEARCH, PHARMAPROJECTS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 196 33 684 A (KAMP ROZA MARIA PROF DR ;PAULI GEORG PROF DR (DE); VATER JOACHIM P) 19 February 1998 (1998-02-19) *cf. abstract, page 3, lines 47-62, lines 3-6 and examples 1/2 on page 4* ---	1-27
X	ITOKAWA H ET AL: "STRUCTURAL AND CONFORMATIONAL STUDIES OF UILE7 AND ULEU7 SURFACTINS FROM BACILLUS SUBTILIS NATTO" CHEMICAL AND PHARMACEUTICAL BULLETIN, PHARMACEUTICAL SOCIETY OF JAPAN. TOKYO, JP, vol. 42, no. 3, 1 March 1994 (1994-03-01), pages 604-607, XP002049160 ISSN: 0009-2363 *cf. abstract, col. 1 on page 604, fig 1 on page 605, table IV on page 607 and 2nd para. of col.1 on page 607* ---	1-27 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

15 October 2003

Date of mailing of the International search report

31/10/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00 29426 A (JIMENEZ DESMOND R ;AGRAQUEST INC (US); MCCOY RANDY J (US); HEINS S) 25 May 2000 (2000-05-25) *cf. abstract, page 6, table 1, example 1 on pages 13/14*	1-27
Y	VOLLENBROICH D ET AL: "ANTIMYCOPLASMA PROPERTIES AND APPLICATION IN CELL CULTURE OF SURFACTIN, A LIPOPEPTIDE ANTIBIOTIC FROM BACILLUS SUBTILIS" APPLIED AND ENVIRONMENTAL MICROBIOLOGY, WASHINGTON, DC, US, vol. 63, no. 1, January 1997 (1997-01), pages 44-49, XP001120287 ISSN: 0099-2240 *cf. abstract, page 44, left col., and right-sided col., 2nd para.*	1-27
Y	M. KRACHT ET AL.: "Antiviral and Hemolytic Activities of Surfactin Isoforms and Their Methyl Ester Derivatives" THE JOURNAL OF ANTIBIOTICS, vol. 52, no. 7, July 1999 (1999-07), pages 613-619, XP009018642 *cf. abstract, introductory part on page 613 and page 618, left-sided col., 1st para.*	1-27

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/06817

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19633684	A	19-02-1998	DE 19633684 A1 AT 216399 T AU 726424 B2 AU 3943397 A DE 59707067 D1 WO 9806744 A1 EP 0918793 A1 ES 2175449 T3 JP 2000516600 T US 2002187929 A1	19-02-1998 15-05-2002 09-11-2000 06-03-1998 23-05-2002 19-02-1998 02-06-1999 16-11-2002 12-12-2000 12-12-2002
WO 0029426	A	25-05-2000	US 6103228 A AU 1223300 A BR 9915339 A CA 2350782 A1 CN 1335854 T CZ 20011620 A3 EP 1131342 A1 HU 0104242 A2 JP 2002530290 T NO 20012344 A PL 348637 A1 SK 6562001 A3 WO 0029426 A1 US 6417163 B1 US 2003186852 A1	15-08-2000 05-06-2000 09-10-2001 25-05-2000 13-02-2002 12-09-2001 12-09-2001 28-03-2002 17-09-2002 29-06-2001 03-06-2002 03-12-2001 25-05-2000 09-07-2002 02-10-2003